Gagea lutea

Habitus and growth type

Plant height [m]: **0.2**
Life span: **Perennial**
Life form: **Geophyte**

Leaf

Specific leaf area [mm^2/mg]: **23.9**

Flower

Flowering period: **March-May**

Fruit, seed and dispersal

Seed mass [mg]: **3.03**
Dispersal mode: **Myrmecochory**
Dispersal distance class: **3**

Trophic mode

Parasitism and mycoheterotrophy: **autotroph**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

Taxon origin

Origin in Europe: **Native**

Ecology

Environmental relationships

Substrate reaction relationship: **Alkaline**
Nutrient relationship: **Eutrophic**
Salinity relationship: **Non-saline**

Ellenberg-type indicator values

Light indicator value: **4.4**
Reaction indicator value: **6.3**
Salinity indicator value: **0**

Disturbance indicator values

Disturbance frequency: **0.08**
Disturbance frequency (herb layer): **1.35**
Disturbance severity: **0.69**
Disturbance severity (herb layer): **0.2**
Mowing frequency: **0.02**

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Grazing pressure: **0.18**
Soil disturbance: **0.11**

Habitat and sociology

Syntaxon

Diagnostic species of phytosociological classes: **CA (FAG) *Carpino-Fagetea sylvaticae*, DA (FES) *Festuco-Brometea*, HA (POP) *Alno glutinosae-Populetea albae***

Broad habitat

Occurrence in broad habitats: **Grassland (non-alpine, non-saline), Scrub, Forest, Synanthropic**

Distribution

Continentality amplitude: **5**

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